COMBINED DECLARATION AND POWER OF ATTORNEY FOR UTILITY PATENT APPLICATION

Attorney's Dacket No.

030681-357

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

1 BELIEVE LAM THE ORIGINAL BIRST AND SOLE INVENTOR (if only one);

I BELIEVE I AM THE ORIGINAL. FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

Gan series surface-emitting laser diode having spacer for effective diffusion

Of holes between p-type electrode and active layer, and method for manufacturing

The same

the specification of which

(check one)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF TITE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35. United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

			Attorney's Dock	et No.		
COMBINED DECLARATION AND POWER OF ATTORNEY			ļ			
		030681-357				
COUNTRIANTERNATIONAL AFFEIGATION NUMBER ->		1	OF FILING	PRIORITY		
		(duy,	(day, month, year) CLAIME			
Rep. of Korea 2001-	-5065	2 Febr	mary 2001	YESX NO_		
	•	İ		YES_ NO_		
I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:						
William D. Manua		360 110	Robert M. Schulm William C. Rowla			
Peter H. Smolka 15,913 Ralph L Robert S. Swecker 19,885 Robert C		531	T. Gene Dillahung			
	A. Hovanec, Jr. 28.	223	Patrick C. Keans	32,858		
Benton S. Duffett, Jr. 22,030 James A		632	Bruce J. Boggs, Ja			
Joseph R. Magnone 24,239 E. Josep		510	William H. Benz	31.917		
Norman H. Stepno 22,716 R. Dani	il troum.b	903	Peter K. Skiff Richard J. McGra			
Ronald L. Grudziecki 24,970 Eric H.	11.070.0100	505 057	Matthew L. Schne			
Production of Information		427	Michael G. Savas			
Alan E. Ropecki		B85	Gerald F. Swiss	30,113		
Regis E. Slutter 26,999 Robert	E. Kress		Charles P. Wielan	d III 33,096		
,						
·				·		
and:						
	<u></u>			1		
Address all correspondence to: Charles	F. Wieland III					
Burns.	DOANE, SWECKER &	. RELATION	1 1 0	· · · · · · · · · · · · · · · · · · ·		
		MANIATIO,	harbert .			
P.O. Bo	ox 1404 /		Jan book a			
P.O. Bo	ox 1404 /		La, Lori	4		
P.O. Bo			Jan ber 6 a			
P.O. B Alexand	ox 1404 / dria, Virginia 22313-1	404	Jan Bert .	at (703) 836-6620.		
P.O. Be Alexand Address all telephone calls to: Charles F. Wiele	ox 1404 dria, Virginia 22313-1	404		_		
P.O. B Alexand	ox 1404 dria, Virginia 22313-1 and III my own knowledge ar hat these statements v	e true and	that all statement with the knowle	s made on information edge that willful false 001 of Title 18 of the on or any patent issued		
P.O. Be Alexand Address all telephone calls to: Charles F. Wiele I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon.	ox 1404 dria, Virginia 22313-1 and III my own knowledge ar hat these statements v	e true and	that all statement with the knowle	s made on information edge that willful false 001 of Title 18 of the on or any patent issued		
P.O. Be Alexand Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR	ox 1404 dria, Virginia 22313-1 and III my own knowledge ar hat these statements w y fine or imprisonmen ments may jeopardize	e true and	that all statement with the knowle	s made on information edge that willful false 001 of Title 18 of the on or any patent issued		
P.O. Be Alexander Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further the statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park	ox 1404 dria, Virginia 22313-1 and III my own knowledge ar hat these statements w y fine or imprisonmen ments may jeopardize	e true and	that all statement with the knowle	s made on information edge that willful false 001 of Title 18 of the on or any patent issued		
P.O. Be Alexand Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE	ox 1404 dria, Virginia 22313-1 and III my own knowledge ar hat these statements w y fine or imprisonmen ments may jeopardize	e true and	that all statement with the knowle under Section 10 of the application	s made on information edge that willful false 001 of Title 18 of the on or any patent issued		
Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE KNUROKI-do. Rep. of Korea	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize	e true and were made t, or both, the validity	that all statement with the knowle under Section 10 of the application	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE KNUROKI-do. Rep. of Korea	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize	e true and were made t, or both, the validity	that all statement with the knowle under Section 10 of the application	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
P.O. Be Alexand Address all telephone calls to:	ox 1404 dria, Virginia 22313-1 and III my own knowledge ar hat these statements w y fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3	e true and were made t, or both, the validity	that all statement with the knowle under Section 10 of the application	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE Kyungki-do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1-6 Suwon-city, Kyungki-do, Rep. of Fig. 1.5	ox 1404 dria, Virginia 22313-1 and III my own knowledge ar hat these statements w y fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3	e true and vere made t, or both, the validity	that all statement with the knowle under Section 10 of the application	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
P.O. Be Alexand Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further the statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE Kyungki-do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1-6 Suwon-city, Kyungki-do, Rep. of Full NAME OF SECOND JOINT INVENTOR, IF ANY	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3 Korea	e true and vere made t, or both, the validity	that all statement with the knowle under Section 10 of the application	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE Kyungki-do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1-6 Suwon-city, Kyungki-do, Rep. of Fig. 1.5	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3 Korea	e true and vere made t, or both, the validity	that all statement with the knowle under Section 10, of the application of the applicatio	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
P.O. Be Alexand Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further the statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE Kyungki-do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1-6 Suwon-city, Kyungki-do, Rep. of Full NAME OF SECOND JOINT INVENTOR, IF ANY	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3 Korea	e true and vere made t, or both, the validity	citizenship	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
P.O. Be Alexand Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE Kyungki-do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1-6 Suwon-city, Kyungki-do, Rep. of FULL NAME OF SECOND JOINT INVENTOR, IF ANY KYOUNG-ho Ba RESIDENCE	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3 Korea	e true and vere made t, or both, the validity	that all statement with the knowle under Section 10, of the application of the applicatio	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
P.O. Be Alexander Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further the statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE Kyungki-do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1-6 Suwon-city, Kyungki-do, Rep. of FULL NAME OF SECOND JOINT INVENTOR, IF ANY Kyoung-ho Ha	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar hat these statements w fine or imprisonmen ments may jeopardize SIGNATURE Cha Apt., 810-3 Korea	e true and vere made t, or both, the validity	citizenship	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002		
Address all telephone calls to:	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements way fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3 Korea SIGNATURE	e true and were made t, or both, the validity	citizenship	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002 DATE 26 January 2002		
P.O. Be Alexander Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong—jo Park RESIDENCE Kyungki—do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1—C Suwon—city, Kyungki—do, Rep. of FULL NAME OF SECOND JOINT INVENTOR, IF ANY KYOUNG—ho Ba RESIDENCE Seoul, Rep. of Korea POST OFFICE ADDRESS 88-12 Nonhyeon—decents of the post of	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize SIGNATURE	e true and were made t, or both, the validity	citizenship	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002 DATE 26 January 2002		
Address all telephone calls to:	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements way fine or imprisonment ments may jeopardize SIGNATURE Cha Apt., 810-3 Korea SIGNATURE	e true and were made t, or both, the validity	that all statement with the knowle under Section 10 of the application	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002 -gu DATE 26 January 2002		
Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong-jo Park RESIDENCE Kyungki-do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1-6 Suwon-city, Kyungki-do, Rep. of FULL NAME OF SECOND JOINT INVENTOR, IF ANY Kyoung-ho Ha RESIDENCE Seoul, Rep. of Korea POST OFFICE ADDRESS 88-12 Nonhyeon-do Seoul, Rep. of Korea FULL NAME OF THIRD JOINT INVENTOR, IF ANY Heon-su Jeon RESIDENCE	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements w fine or imprisonment ments may jeopardize SIGNATURE	e true and were made t, or both, the validity	citizenship	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002 DATE 26 January 2002		
Address all telephone calls to: Charles F. Wiels I hereby declare that all statements made herein of and belief are believed to be true; and further to statements and the like so made are punishable by United States Code and that such willful false state thereon. FULL NAME OF SOLE OR FIRST INVENTOR Yong—jo Park RESIDENCE Kyungki—do, Rep. of Korea POST OFFICE ADDRESS 7-402 Samsung 1—C Suwon—city, Kyungki—do, Rep. of FULL NAME OF SECOND JOINT INVENTOR, IF ANY KYOUNG—ho Ha RESIDENCE Seoul, Rep. of Korea POST OFFICE ADDRESS 88-12 Nonhyeon—do Seoul, Rep. of Korea FULL NAME OF THIRD JOINT INVENTOR, IF ANY Heon—su Jeon	ox 1404 dria, Virginia 22313-1- and III my own knowledge ar that these statements we fine or imprisonment ments may jeopardize SIGNATURE SIG	e true and were made to or both, the validity	citizenship Korean Citizenship Korean	s made on information edge that willful false 001 of Title 18 of the on or any patent issued DATE 26 January 2002 DATE 26 January 2002		

FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	SIGNATURE 2	B.M	DATE		
Si-hyun Park	tomes	ATIVM	26 January 2002		
RESIDENCE		CITIZENSHIP			
Seoul, Rep. of Korea		Korean			
POST OFFICE ADDRESS 100-324 Bongcheon 6-dong, Gwanak-qu					
Seoul, Rep. of Korea					
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE		
	<u> </u>				
RESIDENCE		CITIZENSHIP	· · · · · · · · · · · · · · · · · · ·		
		<u></u>			
POST OFFICE ADDRESS					
	T				
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE		
	<u></u>	Certzesteite			
RESIDENCE		CITIZENSHIP			
DO CEL OFFICER AND DEPOS		L			
POST OFFICE ADDRESS		•	,		
ENT I NAME OF SEVENTY IOINT BUILDINGS IF ANY	SIGNATURE		DATE		
full name of seventh joint inventor, if any	SIGITAL VICE				
RESIDENCE		CITIZENSHIP	<u> </u>		
PERIOENCE					
POST OFFICE ADDRESS		<u> </u>			
LOUI OUTER VANCORA					
FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE		
Comments and the control of the cont					
RESIDENCE		CITIZENSHIP	,		
	•				
POST OFFICE ADDRESS					
FULL NAME OF NINTH JOINT INVENTOR, IF ANY	SIGNATURE	-	DATE		
·	<u></u>	Y	<u> </u>		
RESIDENCE		CITIZENSHIP			
		<u> </u>			
POST OFFICE ADDRESS					
	T OLON A TURE		DATE		
FULL NAME OF TENTH JOINT INVENTOR, IF ANY	SIGNATURE		warm .		
	<u> </u>	CITIZENSHIP	<u></u>		
RESIDENCE					
POST OFFICE ADDRESS					
LOS! OLLICE VIDATION			-		
PULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE		
			<u> </u>		
RESIDENCE		CITIZENSHIP			
· · · · · · · · · · · · · · · · · · ·	•				
POST OFFICE ADDRESS	,				
FULL NAME OF TWELPTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE		
·		T 22222			
RESIDENCE		CITIZENSHIP	•		
POST OFFICE ADDRESS		•			
· ·					

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by 1) Yong-jo Park, 2) Kyoung-ho Ha, 3) Heon-su Jeon,
and 4) Si-hyun Park, residing at 1) /-402 Samsung 1 88-12 Nonhyeon-dong, Gangnam-Paldal-qu, Suwon-city, Kyungki-do, Rep. of Korea, 2) 88-12 Nonhyeon-dong, Gunpo-city, Paldal-qu, Suwon-city, Kyungki-do, Rep. of Korea, 2) 88-12 Nonhyeon-dong, Gunpo-city,
Paldal-qu, Suwon-city, Kyungki-do, Rep. of Rotes, 1148 Sanbon-dong, Gunpo-city, qu, Seoul, Rep. of Korea, 3) 938-501 Myohyang Apt., 1148 Sanbon-dong, Gunpo-city, Rep. of Korea, 3) 938-501 Myohyang Apt., 1148 Sanbon-dong, Gunpak-qu, Seoul, Rep.
gu, Seoul, Rep. of Korea, 3) 936-301 Myong Rep. 6-dong, Gwanak-gu, Seoul, Rep.
gu, Seoul, Rep. of Korea, 3) 938-501 Myonyang Abt., 11-5 tensor and 4) 100-324 Bongcheon 6-dong, Gwanak-gu, Seoul, Rep. Kyungki-do, Rep. of Korea, and 4) 100-324 Bongcheon 6-dong, Gwanak-gu, Seoul, Rep.
of Korea
(hereinafter referred to as "the Assignors"), respectively, witnesseth:
WHEREAS, the Assignors have invented certain new and useful improvements in
GAN SERIES SURFACE-FMITTING LASER DIODE DAYAR AND METHOD FOR MANUFACTURING OF HOLES BETWEEN P-TYPE ELECTRODE AND ACTIVE LAYER. AND METHOD FOR MANUFACTURING
THE SAME set forth in an application for Letters Patent of the United States, [] which is a provisional application to be filed herewith; [] which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; [] bearing Application No.
Riogramochanics Co., Ltd.
WHEREAS, Samsung Electro-mechanics Co., Ltd.
a corporation duly organized under and pursuant to the laws of Rep. of Korea and
having its principal place of business at _314 Maetail***Congy Factor
Kyungki-do, Rep. of Korea
(hereinafter referred to as "the Assignee"), is desirous of acquiring the online and the entire right, title in and to said inventions, the right to file applications on said inventions and the entire right, title in and to said inventions, the right to file applications on said inventions and the entire right, title
in and to said inventions, the right to tile applications of said applications for Letters Patent of the and interest in and to any applications, including provisional applications for Letters and interest in and to any Letters
Patent or Patents, United States or foreign, to be obtained therefor and thereon.
Patent or Patents, Officed States of 18.5.5.
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignae, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full and of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including

A timed Condition	· –
Application Serial	
Attorney's Docket No.	030681-357

provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assigners will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurament, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date _	26 January 2002	Signature of Assignor	Yong-jo Park
Date _	26 January 2002	_Signature of Assignar	Kyongho Ha Kyongho Ha
Date .	26 January 2002	_ Signature of Assignor	Reon-su Jeon
Date .	26 January 2002	_ Signature of Assignor	Si-hyun Park